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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Group Art No.: Unassigned**

**Examiner: Unassigned**

Atty. Ref: **MCF1 (10069.TBA)**

For: **SYSTEM FOR AIDING IN THE DESIGN)  
OF COMBINATORIAL LOGIC AND )  
SEQUENTIAL STATE MACHINES )**

JC688 U.S. PTO  
09/742774  
12/20/00

"Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above to the Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

Signature

## TRANSMITTAL LETTER

December 20, 2000

Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

Sir:

In connection with the above-identified United States Utility Patent Application which is being filed herewith, enclosed please find the following documents for filing:

1. Utility Patent Application Transmittal Form;
2. Fee Transmittal for FY 2001 (2 Copies);
3. United States Utility Patent Application of M. David McFarland, comprising:

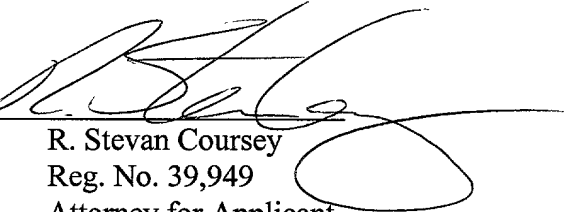
30 pages of specification (including 1 claim) and 16 sheets of informal drawings;

4. Unexecuted Declaration and Power of Attorney for M. David McFarland;
5. Request and Certification Under 35 U.S.C. § 122(b)(2)(B)(i);
6. Check No. 251369 in the respective amounts of \$355.00 in payment of the utility patent application filing fee; and,
7. Return Postcard.

Respectfully submitted,

TROUTMAN SANDERS LLP

By:




R. Stevan Coursey  
Reg. No. 39,949  
Attorney for Applicant

TROUTMAN SANDERS LLP  
Bank of America Plaza, Suite 5200  
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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))</small>	Attorney Docket No.	MCF1 (10069.TBA)
	First Inventor	MCFARLAND, M. David
	Title	SYSTEM FOR AIDING IN THE DESIGN OF COMBINATORIAL LOGIC AND SEQUENTIAL STATE MACHINES
	Express Mail Label No.	EK975869466US

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.	<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.	8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
3. <input checked="" type="checkbox"/> Specification [Total Pages <input type="text" value="30"/> ] (preferred arrangement set forth below) <ul style="list-style-type: none"><li>Descriptive title of the invention</li><li>Cross References to Related Applications</li><li>Statement Regarding Fed sponsored R &amp; D</li><li>Reference to sequence listing, a table, or a computer program listing appendix</li><li>Background of the Invention</li><li>Brief Summary of the Invention</li><li>Brief Description of the Drawings (if filed)</li><li>Detailed Description</li><li>Claim(s)</li><li>Abstract of the Disclosure</li></ul>	a. <input type="checkbox"/> Computer Readable Copy b. Specification Sequence Listing on: <ul style="list-style-type: none"><li><input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li><li><input type="checkbox"/> paper</li></ul> c. <input type="checkbox"/> Statement verifying identify of above copies
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <input type="text" value="16"/> ]	<b>ACCOMPANYING APPLICATION PARTS</b> 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. <input checked="" type="checkbox"/> Other: Check No. 251369 Unexecuted Declaration and Power of Attorney
5. Oath or Declaration [Total Sheets <input type="text"/> ] a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (for a continuation/divisional with Box 17 completed) i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).	
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	
17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No. _____ Prior application information: Examiner _____ Group / Art Unit: _____ For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.	

<input checked="" type="checkbox"/> Customer Number or Bar Code Label				<input type="checkbox"/> Correspondence address below	
Name		R. Stevan Coursey			
		Troutman Sanders LLP			
Address		Bank of America Plaza, Suite 5200			
		600 Peachtree Street N.E.			
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					404-962-6535

Name (Print/Type)	R. Stevan Coursey	Registration No. (Attorney/Agent)	39,949
Signature		Date	12/20/00

Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application,

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**FEE TRANSMITTAL**  
**for FY 2001**

Patent fees are subject to annual revision

**TOTAL AMOUNT OF PAYMENT** | (\$)**355.00****Complete if Known**

Application Number	
Filing Date	December 20, 2000
First Named Inventor	MCFARLAND, M. David
Examiner Name	
Group Art Unit	
Attorney Docket No.	MCF1 (10069.TBA)

**METHOD OF PAYMENT**

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 20-1507

Deposit Account Name: TROUTMAN SANDERS LLP

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ **Payment Enclosed:**  
☒ Check ☐ Credit card ☐ Money Order ☐ Other

**FEE CALCULATION**

1. BASIC FILING FEE					
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	\$355
106	320	206	180	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
SUBTOTAL (1) (\$)					355.00

**2. EXTRA CLAIM FEES**

	Extra Claims	Fee from below	Fee Paid
Total Claims	1 - 20** = 0	X \$9 =	\$0
Independent Claims	1 - 3** = 0	X \$40 =	\$0
Multiple Dependent			

Large Entity Fee Code	Small Entity Fee Code	Entity Fee (\$)	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$) 0.00

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR after Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					
SUBTOTAL (3) (\$)					0.00

\* Reduced by Basic Filing Fee Paid

**SUBMITTED BY**

Name (Print/Type) R. Stevan Coursey

Registration. No. 39,949  
(Attorney/Agent)**Complete (if applicable)**

Telephone 404-885-3632

Signature

Date

December 20, 2000

be included on this form. Provide credit card information and authorization on PTO-2038.


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<b>REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>	First Named Inventor		MCFARLAND, M. David
	Title	System for Aiding in the Design of Combinatorial Logic and Sequential State Machines	
	Atty Docket Number		MCF1 (10069.TBA)

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

**December 20, 2000**

Date \_\_\_\_\_



Signature

**R. Stevan Coursey, Reg. No. 39,949**

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**